

# Alaska Clean Water Fund

STATE WASTEWATER LOAN PROGRAM

## INTENDED USE PLAN

### FINAL

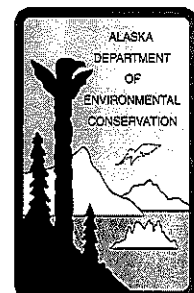
FFY 05 Grant Allotment

Fiscal Year 2006

Submitted to the U.S. Environmental Protection Agency  
by

Alaska Department of Environmental Conservation  
Division of Water

September 2005



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# Alaska Clean Water Fund

## State Wastewater Loan Program

## Intended Use Plan

September 2005

### PROGRAM OVERVIEW

The purpose of the Alaska Clean Water Fund (ACWF) is to make low interest loans available to Alaskan municipalities and other qualified entities to finance wastewater and water quality related projects.

Loans can finance up to 100 percent of eligible planning, design and construction costs for a project. These loans can also serve as local match for the Alaska Department of Environmental Conservation (ADEC) Municipal Water, Sewer and Solid Waste Matching Grants Program and most other federal and state funding programs.

Projects and associated costs eligible for funding are described in Title 18, Chapter 76 of the Alaska Administrative Code and include:

#### Examples of Improvements Fundable under ACWF

- Wastewater Treatment Facilities
- Sewer Interceptor and Collection Systems
- Storm Water Collection and Treatment
- Nonpoint Source Prevention and Restoration Projects
- Estuary Enhancement Projects

The ADEC Municipal Grants and Loans Section (MG&L), in the Division of Water, administers these loans. Regulations for this loan program are contained in 18 AAC 76. The program is audited under the State of Alaska's Single Audit Act. An independent, third-party audit is also conducted each year.

The purpose of the Intended Use Plan (IUP) is to describe how we plan to administer and manage the Alaska Clean Water Fund during the next year.

## **PROGRAM GOALS**

The ADEC administers the Alaska Clean Water Fund, guided by the following long and short term goals:

### **Long Term**

1. Protect public health and the waters of the State by offering financial assistance for the planning, design and construction of eligible projects.
2. Assist local communities as they strive to achieve and maintain statewide compliance with federal and state water quality standards.
3. Facilitate the construction of projects by providing a long term source of financing to assist communities in attaining and maintaining compliance with the Clean Water Act as amended by the Water Quality Act Amendments of 1987, PL 100-4.
4. Promote coordinated efforts by the State and eligible entities to expedite funding of eligible projects.

### **Short Term**

1. Provide low interest loans of \$38 million dollars to communities for eligible wastewater treatment or nonpoint source pollution projects.
2. Complete the next Capitalization Grant Agreement with the U.S. Environmental Protection Agency for Alaska's FFY 05 Title VI allocation.
3. Initiate a fund transfer from the Alaska Clean Water Fund to the Alaska Drinking Water Fund.
4. Implement the use of the "one-page" environmental summaries to meet the federal Environmental Results Initiative reporting requirement.

## **LOAN FUND PROCESS**

Annually ADEC identifies funding sources, selects projects and distributes the funds to projects according to approved criteria and federal and state regulations.

### **Funding Sources (As of September 15, 2005)**

For this Intended Use Plan, ADEC has several sources of funds available to support the proposed project financing and program administrative costs. The table on the following page summarizes the monies contributed and the commitments and expenditures made since the inception of the program. The difference between the funds available and program commitments is the amount of funds available to use during this grant cycle. The following describes more fully each item in the table:

- The total amount of federal monies granted to the program up until this application cycle is \$137,665,762.
- The federal grant request to EPA this year will be for \$6,414,400, matched by state funds of \$1,302,600.
- State appropriations of \$19,807,300 and bond receipts of \$8,010,960 were secured earlier.
- Other significant funding sources include investment interest earnings of \$19,348,858, principal repayments on loans of \$54,561,838 and interest repayments of \$19,587,358.
- Investment earnings and principal and interest payments of \$10,241,761 are expected to be paid into the Fund during SFY 06.

- The total amount of loan commitments made by the program to date is \$208,748,718. This amount accounts for deobligated funds from those projects that have completed construction.
- The program intends to pursue the transfer of \$15,000,000 from the Clean Water Fund to the Drinking Water Fund.
- The program has set aside a total of \$5,763,206 to pay for the costs of administering the program.
- Previous bonding and transactions costs totalling \$8,060,951 include administrative, bond sale and interest costs resulting from the sale of bonds that were incurred in previous years.
- The bonding and transaction costs to be paid are anticipated administrative, bond sale and interest costs that will result from the sale of bonds later in the current year. A total of \$1,314,600 in these costs has been committed.

A total of \$38 million dollars will be available upon award of the federal fiscal year 2005 grant. The \$38 million will be used to fund projects listed on the ACWF Funding Priority List for Point Source projects (Appendix Ia) and NonPoint Source projects (Appendix Ic).

### Alaska Clean Water Fund

#### Funding Sources:

Federal Grants		\$	137,665,762
FFY 05 Federal Allocation			6,414,400
FFY 05 State Match Appropriation Bond Receipts			1,302,600
State Match - General Funds			19,807,300
State Match - Bond Proceeds			8,010,960
Investment Interest			19,348,858
Repayment			
Loan Principal	54,561,838		
Loan Interest	19,587,358		74,149,196
Projected 2006 Repayments and Investment Earnings			10,241,761
<b>Funds Available</b>		<b>\$</b>	<b>276,940,837</b>

#### Program Commitments:

Loan Commitments (net of deobligations)		\$208,748,718
Transfer from ACWF to ADWF		\$15,000,000
Administrative Set-Aside		5,763,206
Previous Bonding and Transaction Costs		8,060,951
Bonding and Transaction Costs to Be Paid		1,314,600
<b>Total Program Commitments</b>	<b>\$</b>	<b>238,887,475</b>
<b>Net Amount Available for Loans</b>	<b>\$</b>	<b>38,053,362</b>

## Selection of Projects

### 1. Identification of Priority Projects

On March 2, 2005 questionnaires were sent to each eligible Alaskan municipality and borough. The purpose of the questionnaires was to collect information about public wastewater and nonpoint source projects which the communities wished to have considered for loan funding.

Using information from the questionnaires, several groups within ADEC worked together to evaluate the projects. Appendix IIa and IIb document the criteria used to assess the projects. Those criteria addressed these topics:

#### Point Source Priority Criteria Summary

- Public Health
- Water Quality
- Receiving Water Usage
- Project Continuity
- Readiness to Proceed
- Ability to Repay

#### NonPoint Source Priority Criteria Summary

- Prevention
- Restoration
- Stewardship
- Project Continuity
- Funding Coordination

These assessments integrate the various water quality demands and needs of the State, assigning the highest priority to those projects that addressed the greatest public health and/or water quality threats.

After all projects were evaluated, they were ranked according to their scores. Appendix III contains a detailed listing of AWCF project descriptions and scores. Using the project scores from the list, a priority list was prepared which included those projects with the highest rank, limited by the amount of funding expected to be available.

This year 26% of the amount available to loan (approximately \$10 million) is earmarked for projects that address nonpoint source water pollution. Subtracting the amount allocated to nonpoint source projects from the total available amount of \$38,053,362 leaves \$28,275,377 to fund point source projects. Funding down the Point Source priority list to the Ketchikan Gateway Borough Gravina Island Sewer Crossing will require \$28,967,400, which exceeds the available amount by \$692,023. We will fund this project to the level that there are funds available.

### 2. Public Review and Comments

The draft IUP, including the ranked priority lists, was mailed to all eligible entities and other interested parties on our mailing list. The draft IUP was placed on our website. A thirty-day public comment period followed with a notice published in a newspaper of statewide coverage, the State of Alaska homepage as well as the Division of Water website. The notice announced the availability of the ACWF draft priority list, criteria system and priority list funding procedures. Comments were solicited during this public notice period. Appendix V is reserved for these comments and responses.

## Distribution of Funding

### 1. Projects to be Funded

Following consideration of all public comments received, ADEC reevaluated the project ranking and prepared a final list of projects. The funding portion of the list (Appendix Ia and Ic) represents those projects, ranked by score, for which funding is expected to be available. The planning portion of the list (Appendix Ib) represents those projects whose rank falls below the funding portion of the list, and for which funding is not expected to be available. Project descriptions for all projects are presented in Appendix III.

### 2. Project Information

Appendices IVa and IVb contain estimated dates for binding loan commitments, construction starts and the initiation of operation for projects anticipated to be funded by this intended use plan and associated loan amounts.

### 3. Disbursements

The original estimated disbursement schedule for Point Source loan projects is presented in Appendix VIa. The estimated disbursement schedule for NonPoint Source loan projects is presented in Appendix VIb. These schedules are based upon target dates for binding commitments, beginning construction and initiating operations contained in Appendices IVa and IVb.

### 4. Federal Payments

Alaska's proposed payment schedule for the FFY 05 grant allotment is shown below. This schedule was developed based on projected needs for project construction and execution of loan agreements.

#### Proposed Federal Payment Schedule FFY 05 Grant

FFY 06	FFY 06	FFY 06	FFY 06
<u>1st Quarter</u>	<u>2nd Quarter</u>	<u>3rd Quarter</u>	<u>4th Quarter</u>
\$1,000,000	\$1,000,000	\$1,550,550	\$2,863,850

Note: The federal payment schedule above was determined as follows:

1. The binding commitment schedule was reviewed. Estimated binding commitment amounts and estimated state administrative payment requests were added together for each federal fiscal year quarter in which they are scheduled to be paid, resulting in a total quarterly cash requirement.
2. The total quarterly cash requirement amounts were multiplied by  $83 \frac{1}{3}$  percent in order to find the federal share of each quarterly binding commitment (in accordance with federal regulation 40 CFR 35.3155 (d)(5)). These numbers are reflected in the federal payment schedule shown above.

## 5. Bypass of Projects

Because the federal government provides significant funding for the ACWF, we have to agree to execute a certain amount of loan funds in a timely manner. If we do not, we could lose these federal funds.

If a community with a project on the fundable portion of the list has not turned in a completed loan application package or has not completed the state environmental review process, we may bypass them for another project on the priority list that is ready to proceed including planning list projects. If a loan application is not submitted for a project within four (4) months after being placed on the priority list, the project can, without justification, be automatically by-passed to a lower scoring project that is ready to proceed.

For projects with equal scores, we will consider the following criteria to decide which to fund first when:

1. An earlier construction date is required as a result of a compliance agreement or other legal order from EPA or ADEC.
2. An earlier date for submitting a completed application is anticipated.
3. A project is already under construction.
4. Projects are from the same community, the community may request one be placed first.

## 6. Fund Transfer

The State is considering the transfer of funds from the Alaska Clean Water Fund (ACWF) to the Alaska Drinking Water Fund (ADWF). Federal regulations allow a transfer of up to an amount equal to 33% of the Drinking Water Capitalization Grants. Demand for financial assistance in the ADWF has been high and has resulted in fewer dollars available for eligible projects. Although current documented needs exhibit greater project demand for funding through the ACWF than the ADWF, binding commitments have been increasing significantly in the ADWF program.

To equalize the disparity of funds available in each program, the State proposes to transfer \$15,000,000 of the maximum allowable 33% the uncommitted repayment revenue from the ACWF to the ADWF.

It is anticipated that the transfer of these funds will occur within the SFY 2006. Prior to transferring these funds, the program will request that the State's attorney general review the legal authority to make the transfer. Once legal authority is established, the ACWF will proceed to transfer funds to the ADWF. In addition, the ACWF Operating Agreement between the State and EPA will require an amendment to include fund transfer terms.



## **ADDITIONAL LOAN FUND POLICIES**

### **Assurances**

#### **1. Binding Commitments**

ADEC will enter into loan agreements for 120 percent of the federal capitalization grant within one year of receipt of each payment from the federal government, as required by federal law.

#### **2. Expeditious and Timely Expenditure**

All funds will be expended or obligated in a timely and expeditious manner. First priority for all loans will be to assure compliance with the Clean Water Act as amended by the Water Quality Act of 1987.

#### **3. First Use Requirement**

Alaska communities do not appear on the National Municipality Policy Non-Compliance List. Therefore, the “first use” requirement of 40 CFR 35.3135 (e) has been satisfied.

#### **4. Title II Equivalency Compliance**

The Clean Water Act and subsequent EPA regulations instituted the CWSRF Loan Program with numerous federal laws and authorities (Appendix VII). ADEC requires compliance with these federal laws and authorities on all ACWF loan projects.

#### **5. Environmental Review**

All projects receiving Alaska Clean Water Fund loans will be subject to the EPA approved Environmental Review Procedures of the Alaska Clean Water Fund.

## Administrative Uses

A state can use up to four percent of the federal capitalization grant to administer the fund (40 CFR 35.3120 (g)). For SFY06, ADEC plans to use \$330,600 for administrative purposes. This will leave \$402,473 in reserve for future administrative use.

### Calculation of Administrative Reserves FFY 05 Grant

Federal grants prior to FFY 05	\$ 137,665,762
FFY 05 request	6,414,400
<b>Total federal grants requested</b>	<b>\$ 144,080,162</b>
Allowable administrative funds (4% of \$144,080,162) =	<b>\$ 5,763,206</b>
Administrative funds used prior to SFY 06	\$ 5,030,133
SFY 06 administrative amount requested	330,600
<b>Total administrative funds requested</b>	<b>\$ 5,360,733</b>
Allowable administrative funds	\$ 5,763,206
- Total Administrative funds requested	5,360,733
<b>Amount to be reserved</b>	<b>\$ 402,473</b>

## Fee Account

SRF regulations were amended effective December 29, 2000 to initiate a fee structure that will eventually supplant the use of the four percent administrative set-aside. The fees we collect can only be used for administrative purposes directly related to the fund. Since December 29, 2000, we have collected \$1,848,766 in fees.

## Loan Terms

ADEC recently amended the ACWF regulations lowering the finance charge assessed on loans. Effective April 28, 2005, loans with a contract term of five to 20 years can be assessed an effective finance charge rate of one and one-half (1.5) percent or 20 percent of the current bond rate as defined by the Municipal Bond Index. Loans with a contract term of one to five years can be assessed an effective interest rate of one (1) percent or 12 1/2 percent of the current bond rate as defined by the Municipal Bond Index. Any loan term less than one year is assessed a one-half (0.5) percent finance charge.

## **Capitalization Requirements**

In accordance with Title VI, Section 602(b) of the Clean Water Act as amended by the Water Quality Act of 1987, PL 100-4, Alaska will accept capitalization grants in accordance with a schedule jointly agreed upon by ADEC and EPA.

A required state match equaling 20 percent of the federal capitalization grant (\$1,302,600) will be deposited into the fund. Each loan payment made from the fund will follow the EPA rules of proportionality. State monies, which have been deposited into the Alaska Clean Water Fund, will be added to the cumulative EPA Capitalization Grant amounts and then divided by the cumulative State appropriations deposited into the fund to determine the State's proportional share of each loan payment made to a community.

ADEC will provide the required state match from short term bonding this year. By using a short term bonding technique, ADEC uses, as collateral, the interest income of the Fund to acquire bond receipts and save approximately \$1.3 million in state general funds. This process effectively substitutes bond receipts for interest income. ADEC is required to document that sufficient interest income exists in an amount equal to or greater than the proposed bonding amount and that this process will still allow the Fund to grow in perpetuity. ADEC's program audits have documented the availability of the required amount of interest.

## CONTENT OF APPENDICES

Appendix Ia. Point Source Funding Priority List  
Ib. Point Source Planning Priority List  
Ic. NonPoint Project Funding Priority List

Appendix IIa. Point Source Priority Criteria  
IIb. NonPoint Source Priority Criteria

Appendix III Scoring Distribution of ACWF Projects

Appendix IVa. Point Source Project Detail  
IVb. NonPoint Source Project Detail

Appendix V. Public Comments

Appendix VIa. Estimated Disbursement Schedule for Point Source Projects  
VIb. Estimated Disbursement Schedule NonPoint Source Projects

Appendix VII. Federal “Cross-Cutting” Authorities

# **APPENDIX Ia**

## **ALASKA CLEAN WATER FUND**

### **Point Source Funding Priority List**

**ALASKA CLEAN WATER FUND  
Point Source Funding Priority List  
Fiscal Year 2006**

<b>Community</b>	<b>Project Title</b>	<b>Project Number</b>	<b>Score</b>	<b>Amount Requested</b>	<b>Cumulative Amount Requested</b>
Sitka	Cove Lift Station Improvements	783091	565	\$ 175,000	\$ 175,000
Anchorage	Old Glenn Highway Interceptor	127711	530	1,000,000	\$ 1,175,000
Cordova	Wastewater Collection System Upgrade	261081	525	160,000	\$ 1,335,000
Cordova	Wastewater Treatment Plant, Phase III	261101	525	806,000	\$ 2,141,000
Cordova	Wastewater Treatment Plant, Phase II	261091	525	840,000	\$ 2,981,000
Juneau	Bayview Subdivision Sewer System Improvements	445171	515	1,650,000	\$ 4,631,000
Juneau	North Douglas Sewer Expansion, Phase II	445211	510	605,000	\$ 5,236,000
Sitka	Sawmill Creek Road Sewer, Phase II	783101	505	1,000,000	\$ 6,236,000
Unalaska	Wastewater Treatment Plant Phase II	879051	500	6,000,000	\$ 12,236,000
Anchorage	C-5A King-Rovena Sewer Upgrade	127661	500	3,000,000	\$ 15,236,000
Nome/Nome Joint Utility System	Sewer Improvements, Phase II	627051	485	2,000,000	\$ 17,236,000
Valdez	Alpine Woods Subdivision Sewer Improvements	891011	480	7,660,000	\$ 24,896,000
Ketchikan Gateway Borough	South Tongass Sewer Services	482081	470	587,500	\$ 25,483,500
North Pole	Baker/North Star Sewer Collection	633031	470	1,500,000	\$ 26,983,500
Juneau	Irwin/Martin/Rhinehardt Sewer Main Replacement	445201	470	200,000	\$ 27,183,500
North Pole	Badger-Morning Star Area Sewer System	633021	450	732,900	\$ 27,916,400
Ketchikan Gateway Borough	Sewer System Master Plan	482071	445	125,000	\$ 28,041,400
Ketchikan Gateway Borough	Forest Park WWTP Improvement	482031	440	198,000	\$ 28,239,400
Ketchikan Gateway Borough	Gravina Island Sewer Crossing	482041	440	728,000	\$ 28,967,400

# **APPENDIX Ib**

## **ALASKA CLEAN WATER FUND**

### **Point Source Planning Priority List**

**ALASKA CLEAN WATER FUND**  
**Point Source Planning Priority List**  
**Fiscal Year 2006**

<b>Community</b>	<b>Project Title</b>	<b>Project Number</b>	<b>Score</b>	<b>Amount Requested</b>	<b>Cumulative Amount Requested</b>
Homer	Service Sewer Extension	409081	440	4,000,000	\$ 32,967,400
Ketchikan Gateway Borough	Forest Park Wastewater Improvements	482011	435	684,000	\$ 33,651,400
Juneau	Totem Park Sewer Main Replacement	445231	355	350,000	\$ 34,001,400
Anchorage	Security Improvements - Sewer	127891	350	432,000	\$ 34,433,400
Ketchikan Gateway Borough	Mt. Point WWTP Improvements	482061	320	126,000	\$ 34,559,400
Craig	Sewer System Upgrade	265021	275	183,150	\$ 34,742,550
Juneau	Wastewater Treatment Plant Improvements	445181	270	630,000	\$ 35,372,550
Ketchikan Gateway Borough	Forest Park WWT Plant Upgrades	482021	240	81,000	\$ 35,453,550
Ketchikan Gateway Borough	Mt. Point Wastewater Treatment Plant Buildings	482051	220	331,200	\$ 35,784,750
Fairbanks North Star Borough	Solid Waste Landfill Sanitary Sewer	339021	210	1,110,050	\$ 36,894,800
Anchorage	SCADA - Sewer	127731	205	5,000,000	\$ 41,894,800
Anchorage	A-4-B (Minnesota/Dowling)	127611	205	756,000	\$ 42,650,800
Palmer	Sludge Management Project	671081	190	750,000	\$ 43,400,800
Anchorage	C-2 (A, B) Sewer Improvements	127651	180	1,700,000	\$ 45,100,800
Anchorage	Eagle River WWTF Gravity Thickener	127691	180	294,000	\$ 45,394,800
Anchorage	Asplund WWTF Interceptor	127621	180	252,000	\$ 45,646,800
Anchorage	Chester Creek Sewer (B-5, B-6)	127681	180	1,500,000	\$ 47,146,800
Anchorage	Septage Improvements - Phase II	127741	180	1,260,000	\$ 48,406,800
Anchorage	Girdwood WWTF Improvements	127701	180	841,000	\$ 49,247,800
Anchorage	Asplund WWTF Process Improvements	127631	175	4,000,000	\$ 53,247,800
Anchorage	C(F) Turnagain Int. 30" Sewer Upgrade	127641	175	505,000	\$ 53,752,800
Anchorage	C-5-1 (North of Campbell Lake)	127671	170	1,345,000	\$ 55,097,800



**ALASKA CLEAN WATER FUND**  
**Point Source Planning Priority List**  
**Fiscal Year 2006**

<b>Community</b>	<b>Project Title</b>	<b>Project Number</b>	<b>Score</b>	<b>Amount Requested</b>	<b>Cumulative Amount Requested</b>
North Pole	WWTP Sludge Removal and Disposal	663041	165	1,260,000	\$ 56,357,800
Palmer	Southwest Sanitary Sewer Interceptor	671091	160	2,160,000	\$ 58,517,800
Anchorage	San Ernesto Hoyt-San Antonio Sewer Upgrade	127721	160	404,000	\$ 58,921,800
Wrangell	Cassair Weber Street Sewer Project	917051	160	47,000	\$ 58,968,800
Soldotna	Funny River Road Sewer Extension	791021	155	1,447,000	\$ 60,415,800
Soldotna	Kalifornsky Beach Sewer, Phase IV	791031	155	210,350	\$ 60,626,150
Wasilla	Sewer Improvements, Phase II	905071	155	405,000	\$ 61,031,150
King Cove	Sewer System Upgrade	487021	140	100,000	\$ 61,131,150
Wrangell	Outfall Reconstruction	971061	130	491,000	\$ 61,622,150
Soldotna	Sewer Utilities Master Plan	791041	125	122,500	\$ 61,744,650
Juneau	Wastewater Treatment Plant Upgrade	445251	120	1,200,000	\$ 62,944,650
Juneau	Vintage Building Sewer Improvements	445241	55	60,000	\$ 63,004,650
Juneau	Downtown Side Streets	445191	55	60,000	\$ 63,064,650
Juneau	Stairway Sewer Upgrades	445221	55	60,000	\$ 63,124,650

# **APPENDIX Ic**

## **ALASKA CLEAN WATER FUND**

### **NonPoint Source Priority List**

**ALASKA CLEAN WATER FUND**  
**Non-Point Source Funding Priority List**  
**Fiscal Year 2006**

Community	Project Title	Project Number	Score	Amount Requested	Cumulative Amount Requested
Wasilla	Vactor Truck (Storm Water)	905091	160	\$ 250,000	\$ 250,000
Wasilla	Storm Water Pumping	905081	160	271,485	\$ 521,485
Unalaska	Solid Waste Leachate Treatment System	879041	130	256,500	\$ 777,985
Fairbanks North Star Borough	South Cushman Landfill Expansion - Cell 3	339031	105	8,000,000	\$ 8,777,985
Kenai	Maintenance Shop Site Remediation	475021	105	1,000,000	\$ 9,777,985

**ALASKA CLEAN WATER FUND**  
**Non-Point Source Planning Priority List**  
**Fiscal Year 2006**

Community	Project Title	Project Number	Score	Amount Requested	Cumulative Amount Requested
Matanuska-Susitna Borough	Landfill Expansion Project	561031	105	1,287,000	\$ 11,064,985
Anchorage	Partial Landfill Closure	127751	95	7,200,000	\$ 18,264,985
Sitka	Kimsham Landfill Closure	783081	95	2,900,000	\$ 21,164,985
King Cove	Landfill Closure (traditional)	487031	80	100,000	\$ 21,264,985
Kodiak Island Borough	Landfill Design and Construction	505041	80	2,612,000	\$ 23,876,985
Wrangell	Landfill Closure (traditional)	917071	80	854,000	\$ 24,730,985

# **APPENDIX IIa**

## **ALASKA CLEAN WATER FUND**

### **Point Source Priority Criteria**



# ALASKA CLEAN WATER FUND STATE REVOLVING FUND (SRF) PRIORITY CRITERIA FOR POINT SOURCE PROJECTS

*Alaska has established the following criteria to prioritize point source wastewater projects seeking funding from the Alaska Clean Water Fund, the Clean Water Act State Revolving Loan Fund. These criteria rank point source projects (CWA Sec.212) by their relative threats to public health and the environment. The results of the most recent 303(d) list priorities will be utilized for identifying important water quality issues.*

<b><u>PUBLIC HEALTH CONSIDERATIONS (only one)</u></b>		Assigned Points
1.	A human disease event exists, documented by a recognized public health authority. Construction of this project will correct the problem.	350
2.	Current conditions are severe enough that a disease event can occur, but has not been reported. This project will resolve the problem.	300
3.	Conditions are not probable that a disease event will occur. This project will minimize potential future public health problems.	200
<b><u>WATER QUALITY CONSIDERATIONS (only one)</u></b>		
1.	This project will correct a documented pollution event in a:	
	303 d listed High Priority Water	250
	303 d listed Medium Priority Water	240
	303 d listed Low Priority Water	230
	Non-303 d listed Water	220
2.	Current conditions are severe enough that a pollution event can occur, but has not been reported yet. This project will correct the problem in a:	
	303 d listed High Priority Water	230
	303 d listed Medium Priority Water	220
	303 d listed Low Priority Water	210
	Non-303 d listed Water	200
3.	This project will minimize the potential for future pollution events	100

**RECEIVING WATER USE (only one)**

This project addresses adverse impacts to:

- |    |  |    |
|----|--|----|
| 1. | Freshwater/groundwater                                 |    |
|    | drinking or food processing                            | 10 |
|    | propagation of fish, shellfish, etc., as a food source | 5  |
|    | water contact recreation                               | 2  |
| 2. | Marine waters/estuaries                                |    |
|    | propagation of fish, shellfish, etc., as a food source | 5  |
|    | water contact recreation                               | 2  |

**LOCAL INITIATIVE (only one)**

- |    |   |    |
|----|---|----|
| 1. | This project will complete a project that has already begun construction and has completed an environmental review. | 50 |
| 2. | This project has completed the facility planning process.   | 40 |
| 3. | Engineering plans have been prepared.   | 30 |
| 4. | A feasibility study for this project has been prepared.   | 20 |

**FUNDING COORDINATION (only one)**

- |    |  |    |
|----|--|----|
| 1. | This project will use other state, federal or local funds. | 15 |
|----|--|----|

**ABILITY TO REPAY (both possible)**

- |    |   |    |
|----|---|----|
| 1. | A viable repayment source has been identified.  | 10 |
| 2. | Financial instruments, ordinances, agreement, etc., are in place to assure repayment. | 10 |

**AFFORDABILITY CRITERIA (only one)**

- |    |  |             |
|----|--|-------------|
| 1. | Loan cost to population benefiting ratio |             |
|    | Cost/population ratio                    | 0 - 400     |
|    | Cost/population ratio                    | 401 - 4,000 |
|    | Cost/population ratio                    | > 4,000     |
|    |  | 15          |
|    |  | 10          |
|    |  | 5           |

# **APPENDIX IIb**

## **ALASKA CLEAN WATER FUND**

### **NonPoint Source Priority Criteria**



# ALASKA CLEAN WATER FUND STATE REVOLVING FUND (SRF) PRIORITY CRITERIA FOR NON-POINT SOURCE PROJECTS

*Alaska has established the following criteria to prioritize non-point source projects seeking funding from the Alaska Clean Water Fund, the Clean Water Act State Revolving Loan Fund. These criteria allow traditional and nontraditional non-point water quality projects (CWA Sec. 319) to be considered for funding. These criteria address and rank projects by their relative threats to water quality and local initiative. The results of the most recent 303(d) list priorities will be utilized for identifying water quality issues considered for the non-point source SRF ranking process.*

## WATER QUALITY CONSIDERATIONS (only one)

Assigned  
Points

### **PREVENTION**

This project's main emphasis is prevention of non-point source pollution in a:

303 d listed High Priority Water	100
303 d listed Medium Priority Water	90
303 d listed Low Priority Water	80
Non-303 d listed Water	60

### **RESTORATION**

The proposed project's goal is to restore water quality in a water body identified as impaired or polluted in the most recent 303(d) list. This project implements a TMDL or load allocation or otherwise addresses a water quality problem that has resulted in a water body designated as impaired in a:

303 d listed High Priority Water	70
303 d listed Medium Priority Water	60
303 d listed Low Priority Water	50

### **STEWARDSHIP**

The proposed project will improve or maintain water quality in a:

303 d listed High Priority Water	50
303 d listed Medium Priority Water	40
303 d listed Low Priority Water	30
Non-303 d listed Water	20



<b><u>LOCAL INITIATIVE CONSIDERATIONS (only one)</u></b>	<b>Assigned Points</b>
A TMDL, a corrective plan, or a 319 grant application has been approved.	25
A draft TMDL or corrective action plan has been developed, or a draft 319 grant application has been prepared.	20
An environmental review has been performed for the proposed project.	15
A feasibility study that demonstrates the need and costs for the project has been completed.	10
A draft feasibility study has been completed or monitoring for the project has begun	5
<b><u>FUNDING COORDINATION (both possible)</u></b>	
This project will utilize other federal or state funds.	10
This project will utilize local funds or local in-kind contributions.	5
<b><u>NPS STRATEGY IDENTIFIED PRIORITIES (only one)</u></b>	
Any storm water project.	40
Any petroleum contamination/restoration	30
Any community landfills	20
All other identified in NPSS	10

# **APPENDIX III**

## **ALASKA CLEAN WATER FUND**

**Scoring Distribution of ACWF Projects**

**Alaska Clean Water Fund  
Project Descriptions  
Fiscal Year 2006**

**ANCHORAGE**

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay. Capacity	Afford. Criteria	TOTAL
<b>A-4-B (Minnesota/Dowling)</b>	127611	212	0	0	0	100	5	50	15	20	15	205

This project will help decrease the sewage flow to Chester Creek Pump Station by rerouting the airport sewer from the Fish Creek Trunk to the 78" Interceptor. The interceptor flows by gravity to Point Woronzof WWTF. Use of the gravity sewer is more cost effective than sending the sewage through the pump station. In addition, the trunk will provide new sewer service to those in the affected drainage boundary.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay. Capacity	Afford. Criteria	TOTAL
<b>Asplund WWTF Interceptor</b>	127621	212	0	0	0	100	10	20	15	20	15	180

This project will inspect the 96 inch interceptor pipe that runs into the Asplund Wastewater Treatment Facility. The Asplund interceptor is the main influent line into the Asplund WWTF. If an unforeseen problem occurs in this pipe, the majority of the Bowl will be out of sewer service.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay. Capacity	Afford. Criteria	TOTAL
<b>Asplund WWTF Process Improvements</b>	127631	212	0	0	0	100	5	20	15	20	15	175

The Asplund Wastewater Treatment Facility (WWTF) discharges treated wastewater into the marine waters of Knik Arm of the Cook Inlet. This project will rehabilitate and expand the capacity of the existing WWTF to meet the existing needs of the treatment facility. Portions of the existing equipment have reached the end of their useful life. Structural, mechanical, and hydraulic modifications are necessary to maintain existing capacity, handle existing influent inflows and provide the necessary means to handle incoming solids loadings.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay. Capacity	Afford. Criteria	TOTAL
<b>C(F) Turnagain Interceptor 30" Sewer Upgrade</b>	127641	212	0	0	0	100	5	20	15	20	15	175

This project will replace approximately 500 LF of 30" pipe that is partially crushed. The pipe is located in the mud flats near the Turnagain Arm. Crushed sewer pipe in the mud flats could potentially contaminate the mud flat area and eventually the inlet. It is crucial to replace the pipe and restore the integrity of the system to eliminate the possibility of contamination.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay. Capacity	Afford. Criteria	TOTAL
<b>C-2(A, B) Sewer Improvements</b>	127651	212	0	0	0	100	10	20	15	20	15	180

This sanitary sewer mainline (corrugated metal pipe) has reached the end of its useful life. Without replacement, public health is at risk from potential exfiltration from the pipe due to loss of integrity.

## ANCHORAGE (continued)

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>C-5A King-Rovena Sewer Upgrade</b>	127661	212	200	0	0	220	10	20	15	20	15	500

This existing main is either in a continuous surcharge condition or surcharges intermittently which causes the main and manholes to become blocked. This results in a sanitary sewer overflow event. This project will replace/rehabilitate sewer main that is slip lined with 8", 10", 12" or 14" pipe.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>C-5-1 (North of Campbell Lake)</b>	127671	212	0	0	0	100	10	20	15	10	15	170

This existing trunk has a high potential for failure and is of questionable reliability due to severe corrosion in the corrugated metal pipe. Without replacement/rehabilitation, public health is at risk from potential exfiltration from the pipe due to loss of integrity.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Chester Creek Sewer (B-5, B-6)</b>	127681	212	0	0	0	100	10	20	15	20	15	180

This trunk has been identified as having a possible capacity problem due to population growth as well as excess infiltration and deterioration of the pipe due to age and physical conditions.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Eagle River WWTF Gravity Thickener</b>	127691	212	0	0	0	100	10	20	15	20	15	180

This facility discharges to the Eagle River, which in turn enters into the Knik Arm of Cook Inlet. This project will rehabilitate the gravity thickener in order to maintain existing capacity and meet regulatory standards.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Girdwood Wastewater Treatment Facility Improvements</b>	127701	212	0	0	0	100	10	20	15	20	15	180

This project will rehabilitate and expand the treatment facility to meeting existing and future flows from the Girdwood area. Existing equipment is reaching the end of its useful life and structural, mechanical, and hydraulic modifications are necessary to maintain existing capacity and handle existing influent flows.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Old Glenn Highway Interceptor</b>	127711	212	200	220	0	0	10	50	15	20	15	530

This project will install an interceptor to extend the sanitary sewer system to the northern portion of the Municipality, which is now served entirely by on-site septic systems.

## CORDOVA

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Wastewater Collection System Upgrade</b>	261081	212	200	220	0	0	5	50	15	20	15	525

Cordova is under an EPA Compliance Order to eliminate bypass of the wastewater treatment plant because of high flows to the plant. Repair of the manholes will significantly reduce the amount of storm water inflow to the sewer system. The aging water lines throughout Cordova require city crews to excavate, repair the line, and patch the streets. Danger of cross-connection and contamination of water supply exists.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Wastewater Treatment Plant Upgrade Project, Phase II</b>	261091	212	200	220	0	0	5	50	15	20	15	525

The existing wastewater treatment plant, a package activated sludge plant, operates hydraulically over capacity during high flow events and must be bypassed occasionally. This project is necessary to meet the City's NPDES permit and EPA Compliance Docket No. 10-98-002-CWA/A. The City's efforts to control bypass events will not only satisfy the regulatory requirements for the treatment plant but will also ensure that the public health and fisheries in the Cordova area are protected per EPA regulations.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Wastewater Treatment Plant Upgrade Project, Phase III</b>	261101	212	200	220	0	0	5	50	15	20	15	525

The existing wastewater treatment plant, a package activated sludge plant, operates hydraulically over capacity during high flow events and must be bypassed occasionally. This project is necessary to meet the City's NPDES permit and EPA Compliance Docket No. 10-98-002-CWA/A. The City's efforts to control bypass events will not only satisfy the regulatory requirements for the treatment plant but will also ensure that the public health and fisheries in the Cordova area are protected per EPA regulations.

## CRAIG

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sewer System Upgrade</b>	265021	212	0	220	0	0	5	20	15	0	15	275

Completion of this project will provide for repair and upgrade of critical wastewater collection infrastructure. This project will help prevent leakage and contamination of surface water, drainage and coastal waters that potentially pose a health risk in a populated area. This project will consist of replacement of aging and malfunctioning West Hamilton Drive Lift Station and installation of municipal sewer to the developing Salmonberry Subdivision in Craig.

## FAIRBANKS NORTH STAR BOROUGH

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Solid Waste Landfill Sanitary Sewer</b>	339021	212	0	0	0	100	10	50	15	20	15	210

This project will connect the landfill to an existing municipal sewer lift station. The project will collect wastewater from three landfill facilities (main office, household hazardous waste collection, and heavy equipment maintenance) as well as leachate generated from the lined landfill expansion cell constructed in 1999. Presently the main office disposes of wastewater on-site via an aging septic tank and leachfield. This system does not meet current ADEC disposal regulations and has reached the end of its useful life.

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>South Cushman Landfill Expansion - Cell 3</b>	339031	319	60	0	0	15	10	20	105

This project represents the next phase (Cell 3 of 9) of a multi-phase landfill expansion project. Cell 1 was completed and has accepted solid waste since October 1999. Cell 2 construction was completed in the fall of 2004 and is ready to accept solid waste. Both cell areas are complete with liner and leachate collection systems that have allowed the Borough to stop placing the majority of its solid waste in the old unlined landfill. Cell 3 will also be constructed with a liner and leachate collection system that will continue to provide a disposal outlet for the Borough's solid waste. The entire landfill expansion project continues to provide protection and prevent further contamination of the groundwater. The old landfill allowed infiltration of leachate into the groundwater resulting in its contamination.

**How this project implements Alaska's Nonpoint Source Strategy:** *Designing and constructing new cells at the Borough land fill will prevent leachate from contaminating surface and groundwater.*

## HOMER

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sewer Service Extension</b>	409081	212	200	220	0	0	10	0	0	0	10	440

This project will extend sanitary sewer into areas not currently served and will allow existing on-site septic systems to be abandoned. The poor soils and a high groundwater table in the project area make on-site septic systems unreliable, and failing systems can threaten existing private wells.

## JUNEAU

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Bayview Subdivision Sewer System Improvements</b>	445171	212	200	220	0	0	5	50	15	10	15	515

The Bayview sewer system was designed as a private utility composed of individual on-site treatment plants with a common sewer collection system and marine outfall into Gastineau Channel. New ADEC disposal permit requirements will require higher removal criteria for TSS, BOD and disinfection for fecal coliform. This project will provide disinfection for the combined treated sanitary sewer effluent. This project will also extend the

## JUNEAU (continued)

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Wastewater Treatment Plant Improvement</b>	445181	212	0	220	0	0	5	20	0	10	15	270

The clarifiers at the Juneau-Douglas Wastewater Treatment Plant are over 25 years old and have exceeded their design life. Failures of the mechanism has led to exceedances of TSS of the plants permit. This project will replace the collector mechanism and improve the ability to meet the discharge permit.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Downtown Side Streets</b>	445191	212	0	0	0	0	10	20	0	10	15	55

This project will allow for the replacement of fairly steep slope pipe in city owned stairways.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Irwin/Martin/Rhinehardt Sewer Main Replacement</b>	445201	212	200	220	0	0	5	20	0	10	15	470

Failing sewer mains may be exfiltrating raw wastewater due to age, root intrusion and material or construction

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>North Douglas Sewer Expansion, Phase II</b>	445211	212	200	220	0	0	5	50	15	10	10	510

There are numerous incidents of roadside contamination with fecal coliform bacteria in the area of this sewer expansion originating from failing wastewater treatment and disposal systems. The highest concentration of contamination is from the end of Phase I work to the vicinity of a local

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Stairway Sewer Upgrade</b>	445221	212	0	0	0	0	10	20	0	10	15	55

This project will allow for the replacement of fairly steep slope pipe in city owned stairways.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Totem Park Sewer Main Replacement</b>	445231	212	200	0	0	100	10	20	0	10	15	355

This project will replace the current sewer system which was installed in early 1960 and is now failing due to flat grades and root intrusion. The original plan is an asbestos cement material. A majority of the collection mains are located in the backyards of developed homes and are essentially inaccessible to the Utility for repairs. The new sewer collection system will be located within the public right-of-way and new service laterals will be required for the majority of the homes.

## JUNEAU (continued)

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Vintage Building Sewer Improvements</b>	445241	212	0	0	0	0	10	20	0	10	15	55

This project will develop and improve the collection system.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Wastewater Treatment Plant Upgrades</b>	445251	212	0	0	0	100	5	0	0	0	15	120

This project will provide for disinfection improvements, incinerator shell repairs, facility plan upgrade and digester building structural repairs.

## KENAI

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Maintenance Shop Groundwater Remediation</b>	475021	319	60	0	0	10	5	30	105

This project will develop and execute a remediation plan for a petroleum contaminated site adjacent to the Kenai River.

**How this project implements Alaska's Nonpoint Source Strategy:** Petroleum Contamination of soils is identified in various parts of Alaska's NPS Strategy as a common problem (pp. 12). This project will lead to the cleanup of a contaminated site located adjacent to the Kenai River, arguably the most important and potentially threatened river in Alaska.

## KETCHIKAN

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Wastewater Collection System Improvements</b>	481031	212	200	220	0	0	5	50	15	20	10	520

This project will eliminate infiltration/inflow and exfiltration in the City's wastewater collection system.

## KETCHIKAN GATEWAY BOROUGH

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Forest Park Wastewater Improvements</b>	482011	212	200	220	0	0	5	0	0	0	10	435

The proposed project will eliminate the Forest Park wastewater treatment by pumping the sewage to the more modern and efficient Mountain Point wastewater treatment plant. This will allow for future growth and reduced operation costs.



## KETCHIKAN GATEWAY BOROUGH (continued)

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Forest Park Wastewater Treatment Plant Upgrades</b>	482021	212	0	220	0	0	5	0	0	0	15	240

The proposed project modifications will upgrade the chlorination disinfection system to a UV disinfection system. Under the current design, trace amounts of chlorine will discharge into Tongass Narrows. The UV disinfection will eliminate this discharge.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Forest Park Wastewater Treatment Plant Improvements</b>	482031	212	200	220	0	0	5	0	0	0	15	440

This project will correct inflow/infiltration into the sewage collection system. The plant is currently experiencing flows which exceed the design capacity. Proposed modifications will decrease infiltration, increase operation efficiency and provide disinfection of effluent.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Gravina Island Sewer Crossing</b>	482041	212	200	220	0	0	5	0	0	0	15	440

The existing wastewater treatment plant is undersized and there have been numerous discharge violations in the last several years. The proposed project will eliminate the operation of the plant and greatly decrease potential threats to public health.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Mt. Point Wastewater Treatment Plant Buildings</b>	482051	212	0	200	0	0	5	0	0	0	15	220

The current plant is open and the neighborhood has experienced odor problems. The existing mechanical screen is currently uncovered and subject to freezing causing disruption of the screen operation.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Mt. Point WWTP Improvements</b>	482061	212	0	200	0	100	5	0	0	0	15	320

The proposed modifications will add disinfection of the treated effluent, which discharges into Tongass Narrows. The new disinfection will eliminate the discharge violations of the past year.

## KETCHIKAN GATEWAY BOROUGH (continued)

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sewer System Master Plan</b>	482071	212	200	220	0	0	10	0	0	0	15	445

There are several local areas along South Tongass Highway that are currently without sewer services. Herring Cove currently provides untreated water to over 20 houses, North Tongass Highway has one Borough operated public sewer collection system, however there are numerous private collection systems and hundreds of on-site treatment systems. The on-site treatment systems are prone to failure and without certified maintenance personnel the systems are rarely maintained.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>South Tongass Sewer Services</b>	482081	212	200	220	0	0	5	20	15	0	10	470

A sewer line currently under construction is under-funded. All of the sewer services and three pump stations will be installed until further funds are available. Many of the current properties discharge untreated wastewater directly into Tongass Narrows.

## KING COVE

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sewer System Upgrade</b>	487021	212	0	0	0	100	5	20	0	0	15	140

This project will provide minor hydraulic system upgrades for the existing collection system and outfall. The existing system is "bottlenecked" at several points and needs to be corrected to avert potential health threats.

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Landfill Closure (traditional)</b>	487031	319	60	0	0	0	0	20	80

This project will close the existing landfill with a two-foot impermeable cap. Surface storm water drainage will be routed away from the landfill.

**How this project implements Alaska's Nonpoint Source Strategy:** Closing the existing King Cove landfill in compliance with a DEC-approved closure plan will prevent contamination of surrounding surface and groundwater from leachate percolation (pp. 29 - item UR-A10).

## KODIAK ISLAND BOROUGH

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Landfill Design and Construction</b>	505041	319	60	0	0	0	0	20	80

This project will provide for the design and construction of a leachate collection and treatment system in a new lined landfill cell. Installation of a leachate collection and treatment system will prevent leachate from entering the area's ground and surface water.

**How this project implements Alaska's Nonpoint Source Strategy:** The EPA-approved Alaska NPS Strategy declares that prevention is the main focus of Alaska's Strategy (pp. 22). Designing and constructing a new landfill will prevent leachate from contaminating surface and groundwater.

## MATANUSKA-SUSITNA BOROUGH

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Landfill Expansion Project</b>	561031	319	60	0	0	10	15	20	105

The Borough landfill expansion program, Phase IV, V and VI incorporates projects at the Big Lake Transfer Station, Central Landfill and Butte Transfer Station. The groundwater has been impacted by the unlined landfill at all three sites. As a result of these impacts, the borough has implemented a phased capital construction and landfill management program to prevent further impact to the underlying groundwater.

**How this project implements Alaska's Nonpoint Source Strategy:** The EPA-approved Alaska NPS Strategy declares that prevention is the main focus of Alaska's Strategy (pp. 22). Designing and constructing a new landfill will prevent leachate from contaminating surface and groundwater.

## NOME/NOME JOINT UTILITY SYSTEM

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sewer Improvements, Phase II</b>	627051	212	200	220	0	0	10	20	15	10	10	485

The project will upgrade and replace a 20 year old direct bury sewer distribution and collection system and install new segments. The existing lines in the area are constricting causing a reduction in flow, sinking or heaving resulting in reverse grade and separation.

## NORTH POLE

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Badger-Morning Star Area Sewer System</b>	633021	212	200	0	0	200	10	20	15	0	5	450

This project will extend the City's wastewater collection system to serve both the residential properties within Morning Star Subdivision and the commercial business in the Badger Road area. The project will mitigate the effects of the failing on-site septic/leachfield wastewater disposal

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Baker/North Star Sewer Collection</b>	633031	212	200	0	220	0	10	20	15	0	5	470

This project will extend the City's sewage collection system to serve approximately 120 single family residences within Baker and North Star Subdivisions. Currently, all existing development within these subdivisions relies upon on-site wastewater disposal systems, with many of these systems failing. These failing on-site wastewater disposal systems could create the potential for health hazards within these subdivisions.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Wastewater Treatment Plant (WWTP) Sludge Management Project</b>	633041	212	0	0	0	100	10	20	15	10	10	165

This project will remove and dispose of sludge from Cell #1 of the City's aerated lagoon wastewater treatment facility. The removal of this sludge will reduce the potential for noncompliance of the effluent in meeting the EPA discharge permit requirements for this facility.

## PALMER

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sludge Management Project</b>	671081	212	0	0	0	100	10	50	15	0	15	190

This project will provide for effective management of three lagoons and enhance the quality of effluent to the receiving body. Also, the project will provide a lined drying bed for sewage sludge.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Southwest Sanitary Sewer Interceptor</b>	671091	212	0	0	0	100	10	20	15	0	15	160

This project will provide the basis of a public sanitary sewer utility to serve an area of approximately 12 square miles and the selected location of a new 70 bed regional hospital. This utility will correct existing conflicts between on-site utilities and eliminate future conflicts.

## SITKA

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Cove Lift Station Improvements</b>	783091	212	300	220	0	0	10	20	0	0	15	565

The Cove Lift Station, the northern most lift station in the system, experiences frequent failures. At times these failures have resulted in sewage backing up into homes and on the ground out of manholes. This situation has obvious potential public health implications.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sawmill Creek Road Sewer, Phase II</b>	783101	212	200	220	0	0	5	50	15	0	15	505

This project will extend the municipal sewer collection system from its current end at Jamestown Bay Hill to Whale Park. These developed areas are not currently served by the municipal system. There has been documented fecal coliform contamination in surface waters most notably along

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Kimsham Landfill Closure</b>	783081	319	60	0	0	10	5	20	95

The proposed project includes permitting, design and construction of the Kimsham closure plan. Kimsham landfill is a class II landfill under state permit No. 9912-BA002. A leachate collection system is in place and leachate is ultimately treated at the wastewater treatment plant (WWTP). The leachate impact on the WWTP is excessive during storm events. A major component of the Kimsham closure plan and design will revolve around providing an appropriate cap with adequate drainage.

**How this project implements Alaska's Nonpoint Source Strategy:** The EPA-approved Alaska NPS Strategy declares that prevention is the main focus of Alaska's Strategy (pp. 22). Closing the existing Kimsham Landfill in compliance with a DEC-approved closure plan will prevent contamination of surrounding surface and groundwater from leachate percolation (pp. 29 - item UR-A10).

## SOLDOTNA

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Funny River Road Sewer Extension</b>	791021	212	0	0	0	100	10	30	0	0	15	155

Construction of this sewer main will provide service to residences, commercial establishments and properties along Funny River Road which are currently served by on-site wells and septic systems. Some of this area is known for high groundwater and is very near the Kenai River. By replacing existing septic systems with connects to the City's system, a potential source of contamination will be eliminated. This will help protect the quality of the Kenai River and soils in the entire area.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Kalifornsky Beach Road Sewer Extension, Phase IV</b>	791031	212	0	0	0	100	10	30	0	0	15	155

This project will extend the existing sewer mains on Kalifornsky Beach Road from Soldotna Sports Center to the intersection of Kalifornsky Beach Road and Endicott Drive. This project will include the installation of one lift station.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sewer Utilities Master Plan</b>	791041	212	0	0	0	100	10	0	0	0	15	125

This project will identify capital improvements needed to protect the citizens of Soldotna against any disease event that could arise from malfunctioning sewer mainlines. Both the city and the general public will benefit from this project in ways such as improved groundwater quality from elimination of on-site septic systems and preventive maintenance suggestions resulting in system reliability.

## UNALASKA

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Wastewater Treatment Plant, Phase II</b>	879051	212	200	250	0	0	5	30	0	0	15	500

The effluent from the wastewater treatment plant discharges into Unalaska Bay. This project will upgrade the treatment plant.

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Solid Waste Leachate Treatment System</b>	879041	319	100	0	0	10	0	20	130

Currently, untreated solid waste leachate from the City's landfill is being discharged into the publicly owned treatment works collection system.

**How this project implements Alaska's Nonpoint Source Strategy:** The EPA-approved Alaska NPS Strategy declares that prevention is the main focus of Alaska's Strategy (pp. 22). Collecting untreated leachate from the City's landfill will reduce waste loading at the WWTP and keep the facility in compliance with DEC permitting and prevent contamination of surrounding surface and groundwater from leachate percolation (pp.29 - item UR-A10).

## VALDEZ

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Alpine Woods Subdivision Sewer Improvements</b>	891011	212	200	220	0	0	10	30	15	0	5	480

This subdivision is not served by City sewer utilities; therefore, any failed residential septic systems could have a major impact on the adjacent wells and streams that braid through the subdivision. This project will, plan design and construct an upgrade to reduce the threat to groundwater.

## WASILLA

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Sewer Improvements, Phase II</b>	905071	212	0	0	0	100	10	30	0	0	15	155

This project will extend sewer service along Church Road South. This sewer main will provide sewer service to areas that did not have service. Without public sewer utility service, rapid development will result in an ever-increasing number of on-site septic systems. A large majority of the City's residents rely upon private groundwater wells for their water supply. Also, the City's water utility relies on having safe groundwater for its customers. The risk of groundwater contamination increases as more and more septic systems are installed.

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Storm Water Pumping</b>	905081	319	100	0	0	10	10	40	160

This project will construct the City's first closed storm drain system, replacing failing drywells under city streets. This project will capture a portion of Parks Highway runoff that is entering Lake Lucille. Lake Lucille is listed as an impaired water body. This project will use constructed wetlands for storm water treatment.

**How this project implements Alaska's Nonpoint Source Strategy:** Alaska's Strategy identifies as a priority community water quality enhancement projects that allow adequate and proper treatment of stormwater runoff (pp. 28). This project will allow adequate treatment of stormwater runoff.

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Vactor Truck</b>	905091	319	100	0	0	10	10	40	160

The City's new storm water pumping and treatment facility will require a higher level of maintenance in order to protect water quality. A new vactor truck will help prevent adverse impacts to groundwater.

**How this project implements Alaska's Nonpoint Source Strategy:** Alaska's Strategy identifies as a priority community water quality enhancement projects that allow adequate and proper treatment of stormwater runoff (pp. 28). This project will allow adequate maintenance of the new stormwater pumping system.

## WRANGELL

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Cassair Weber Street Sewer Project</b>	917051	212	0	0	0	100	5	30	0	10	15	160

The existing sewer service has a high rate of inflow/infiltration. The sewer is on a road that runs along a steep slope which allows seepage from the sewer to travel down slope onto private property.

Project Name	Project Number	Project Type	Public Health	Doc. Pollution Event	Severe Current Conditions	Minimize Future Pollution	Receiving Water	Local Initiative	Funding Coordination	Repay Capacity	Afford Criteria	TOTAL
<b>Outfall Reconstruction</b>	917061	212	0	0	0	100	5	0	0	10	15	130

This project would rebuild and extend the fish waste outfall lines at the two fish processing plants in Wrangell. This will ensure that fish waste products are not washed by current or tides onto public beaches or into the harbors.

Project Name	Project Number	Project Type	Prevention	Restoration	Stewardship	Local Initiative	Funding Coordination	NPS Strategy	TOTAL
<b>Landfill Closure (Traditional)</b>	917071	319	60	0	0	0	0	20	80

This project will implement Wrangell's approved DEC landfill closure plan.

**How this project implements Alaska's Nonpoint Source Strategy:** The EPA-approved NPS Strategy declares that prevention is the main focus of Alaska's Strategy (pp. 22). Closing the existing Wrangell Landfill in compliance with a DEC-approved closure plan will prevent contamination of surrounding surface and groundwater from leachate percolation (pp. 29 - item UR-A10).

# **APPENDIX IVa**

## **ALASKA CLEAN WATER FUND**

### **Point Source Project Detail**



Community	Ranking	Points	Project Name	Project Number	Amount Requested	NPDES or State Permit Number	EPA Project Scope	Needs	Binding Commitment	Construction Start	Initiation of Operation
Anchorage	2	530	Old Glenn Highway Interceptor	127711	\$ 1,000,000	AK-002254-3	Design & Construction	IV(b)	8/05	9/05	1/06
Anchorage	10	500	C-5A King-Rovena Sewer Upgrade	127661	\$ 3,000,000	AK-0022551	Design & Construction	III(b)	3/06	4/06	10/06
Anchorage	23	350	Security Improvements - Sewer	127891	\$ 432,000	AK-0022551	Design & Construction	I	4/06	4/06	9/06
Anchorage	31	205	A-4-B (Minnesota/Dow In)	127611	\$ 756,000	AK-0022551	Design & Construction	IV(a)	7/05	7/05	9/05
Anchorage	32	205	SCADA - Sewer	127731	\$ 5,000,000	AK-0022551	Design & Construction	I	7/05	7/05	6/06
Anchorage	34	180	Asplund WWTF Interceptor	127621	\$ 252,000	AK-0022551	Design & Construction	IV(b)	8/06	5/07	11/07
Anchorage	35	180	C-2 (A, B) Sewer Improvements	127651	\$ 1,700,000	AK-0022551	Design & Construction	III(b)	6/06	6/06	7/07
Anchorage	36	180	Chester Creek Sewer (B-5, B-6)	127681	\$ 1,500,000	AK-0022551	Design & Construction	III(b)	7/05	7/05	9/05
Anchorage	37	180	Eagle River WWTF Gravity Thickener	127691	\$ 294,000	AK-0022543	Design & Construction	I	2/06	5/06	10/06
Anchorage	38	180	Girdwood WWTF Improvements	127701	\$ 841,000	AK-0047856	Design & Construction	I	11/06	4/07	9/07
Anchorage	39	180	Septage Improvements - Phase II	127741	\$ 1,260,000	AK-0022551	Design & Construction	I	3/07	6/07	11/07
Anchorage	40	175	Asplund WWTF Process Improvements	127631	\$ 4,000,000	AK-0022551	Design & Construction	I	6/05	6/05	10/06
Anchorage	41	175	C(F) Turnagain Int. 30" Sewer Upgrade	127641	\$ 505,000	AK-0022551	Design & Construction	III(b)	4/06	5/06	6/07
Anchorage	42	170	C-5-1 (North of Campbell Lake)	127671	\$ 1,345,000	AK-0022551	Design & Construction	III(b)	3/06	5/06	10/06
Anchorage	44	160	San Ernesto Hoyt-San Antonio Sewer Upgrade	127721	\$ 404,000	AK-0022551	Design & Construction	III(b)	4/06	4/06	7/07
Cordova	3	525	Wastewater Collection System Upgrade	261081	\$ 160,000	AK-0021547	Design & Construction	III(a)	9/05	10/05	8/06
Cordova	4	525	Wastewater Treatment Plant, Ph. II	261091	\$ 840,000	AK-0021547	Design & Construction	V	7/05	7/05	9/06
Cordova	5	525	Wastewater Treatment Plant, Ph. III	261101	\$ 806,000	AK-0021547	Design & Construction	V	3/06	4/06	11/07
Craig	26	275	Sewer System Upgrade	265021	\$ 183,150	0013-CB029	Design & Construction	III(a)	9/05	4/06	7/07

Community	Ranking	Points	Project Name	Project Number	Amount Requested	NPDES or State Permit Number	EPA Project Scope	Needs	Binding Commitment	Construction Start	Initiation of Operation
Fairbanks North Star Borough	30	210	Solid Waste Landfill Sanitary Sewer	339021	\$ 1,110,050	N/A	Design & Construction	IV(a)	3/06	4/06	8/07
Homer	19	440	Service Sewer Extension	409081	\$ 4,000,000	AK-0021245	Design & Construction	IV(a)	6/06	7/06	6/07
Juneau	7	515	Bayview Subdivision Sewer System Improvements	445171	\$ 1,650,000	AK-0023213	Design & Construction	IV(a)	2/06	4/06	9/07
Juneau	8	510	North Douglas Sewer Expansion, Ph II.	445211	\$ 605,000	AK-0023213	Design & Construction	IV(b)	8/05	10/05	10/06
Juneau	14	470	Irwin/Martin/Rhinehardt Sewer Main Replacement	445201	\$ 200,000	AK-0023213	Design & Construction	IV(b)	12/05	3/06	10/06
Juneau	24	355	Totem Park Sewer Main Replacement	445231	\$ 350,000	AK-0023213	Design & Construction	IV(b)	4/06	4/06	6/07
Juneau	27	270	Wastewater Treatment Plant Improvements	445181	\$ 63,000	AK-0023213	Design & Construction	IV(a)	1/06	4/06	8/06
Juneau	53	120	Wastewater Treatment Plant Upgrade	445251	\$ 1,200,000	AK-0023213	Design & Construction	IV(a)	4/06	5/06	7/07
Juneau	54	55	Downtown Side Streets	445191	\$ 60,000	AK-0023213	Design & Construction	IV(b)	11/05	4/06	9/06
Juneau	55	55	Stairway Sewer Upgrades	445221	\$ 60,000	AK-0023213	Design & Construction	IV(b)	11/05	4/06	9/06
Juneau	56	55	Vintage Building Sewer Improvements	445241	\$ 60,000	AK-0023213	Design & Construction	IV(a)	11/05	5/06	10/06
Ketchikan	6	520	Wastewater Collection System Improvements	481021	\$ 5,500,000	AK-0022144	Design & Construction	III(b)	2/06	6/06	9/07
Ketchikan Borough	15	470	South Tongass Sewer Services	482081	\$ 587,500	0013-DB068	Design & Construction	IV(b)	9/05	10/05	8/06
Ketchikan Borough	18	445	Sewer System Master Plan	482071	\$ 125,000	N/A	Design & Construction	I	9/05	N/A	N/A
Ketchikan Borough	20	440	Forest Park WWTP Improvement	482031	\$ 198,000	0113-DB001	Design & Construction	I	10/05	2/06	8/07
Ketchikan Borough	21	440	Gravina Island Sewer Crossing	482041	\$ 728,000	0213-DB001	Design & Construction	I	2/06	3/2006	8/07
Ketchikan Borough	22	435	Forest Park Wastewater Improvements	482011	\$ 684,000	0113-DB001	Design & Construction	IV(a)	8/05	9/05	6/06
Ketchikan Borough	25	320	Mt. Point WWTP Improvements	482061	\$ 126,000	0013-DB068	Design & Construction	I	10/05	12/05	3/06
Ketchikan Borough	28	240	Forest Park WWTP Upgrades	482021	\$ 81,000	0113-DB001	Design & Construction	I	3/06	5/06	6/07

Community	Ranking	Points	Project Name	Project Number	Amount Requested	NPDES or State Permit Number	EPA Project Scope	Needs	Binding Commitment	Construction Start	Initiation of Operation
Ketchikan Borough	29	220	Mt. Point WWTP Buildings	482051	\$ 331,200	0013-DB068	Design & Construction	I	5/06	6/06	5/07
King Cove	50	140	Sewer System Upgrade	487021	\$ 100,000	AK-0044334	Design & Construction	III(b)	10/06	11/05	5/06
Nome/Nome Joint Utility System	12	485	Sewer Improvements, Phase II	627051	\$ 2,000,000	AK-0026275	Design & Construction	III(b)	3/06	4/06	4/07
North Pole	16	470	Baker/North Star Sewer Collection	633031	\$ 1,500,000	AK-0021393	Design & Construction	III(b)	10/05	4/06	7/07
North Pole	17	450	Badger-Morning Star Area Sewer System	633021	\$ 732,900	AK-0021393	Design & Construction	III(b)	2/06	6/06	7/07
North Pole	43	165	WWTP Sludge Removal and Disposal	633041	\$ 1,260,000	AK-0021393	Design & Construction	III(b)	4/06	5/06	9/07
Palmer	33	190	Sludge Management Project	671081	\$ 750,000	AK-002249-7	Design & Construction	I	4/06	5/06	9/07
Palmer	45	160	Southwest Sanitary Sewer Interceptor	671091	\$ 2,160,000	AK-002249-7	Design & Construction	IV(b)	5/06	5/06	6/07
Sitka	1	565	Cove Lift Station Improvements	783081	\$ 175,000	AK-0021474	Design & Construction	IV(a)	6/05	10/05	3/06
Sitka	9	505	Sawmill Creek Road Sewer, Phase II	783101	\$ 1,000,000	AK-0021474	Design & Construction	IV(a)	3/06	5/06	7/07
Soldotna	47	155	Funny River Road Sewer Extension	791021	\$ 1,447,000	AK-0020036	Design & Construction	IV(a)	5/06	6/06	10/07
Soldotna	48	155	Kalifornsky Beach Sewer, Phase IV	791031	\$ 210,350	AK-0020036	Design & Construction	IV(a)	6/06	6/06	10/06
Soldotna	52	125	Sewer Utilities Master Plan	791041	\$ 122,500	AK-0020036	Planning	III(b)	4/10	N/A	N/A
Unalaska	11	500	Wastewater Treatment Plant Phase II	879051	\$ 6,000,000	AK-0043451	Design & Construction	I	4/06	5/06	9/07
Valdez	13	480	Alpine Woods Subdivision Sewer Improvements	891011	\$ 7,660,000	AK-0021431	Design & Construction	IV(a)	3/06	5/06	8/07
Wasilla	49	155	Sewer Improvements, Phase II	905071	\$ 405,000	N/A	Design & Construction	IV(a)	4/06	4/06	8/07
Wrangell	46	160	Cassair Weber Street Sewer Project	917051	\$ 47,000	AK-0021466	Design & Construction	IV(a)	4/06	5/06	8/07
Wrangell	50	130	Outfall Reconstruction	971061	\$ 491,000	AK-0021466	Design & Construction	IV(a)	5/06	5/06	9/07

# **APPENDIX IVb**

## **ALASKA CLEAN WATER FUND**

### **NonPoint Source Project Detail**

**Alaska Clean Water Fund**  
**NONPOINT SOURCE DETAILED LIST**  
**Fiscal Year 2006**

Community	Ranking	Points	Project Name	Project Number	Amount Requested	Binding Commitment	Construction Start	Initiation of Operation
Anchorage	8	95	Partial Landfill Closure	127751	\$7,200,000	10/05	6/05	9/05
Fairbanks North Star Borough	4	105	South Cushman Landfill Expansion - Cell 3	339031	\$8,000,000	10/05	6/06	10/07
Kenai	6	105	Maintenance Shop Site Remediation	475021	\$1,000,000	3/06	6/06	11/06
King Cove	10	80	Landfill Closure (traditional)	487031	\$100,000	10/05	6/06	9/06
Kodiak Island Borough	11	80	Landfill Design and Construction	505041	\$2,612,000	5/06	6/06	10/07
Matanuska-Susitna Borough	5	105	Landfill Expansion Project	605031	\$1,287,000	10/05	6/06	11/06
Sitka	7	95	Kimsham Landfill Closure	783081	\$2,900,000	12/05	3/06	10/06
Unalaska	3	130	Solid Waste Leachate Treatment System	879041	\$256,500	8/05	6/05	8/05
Wasilla	2	160	Vactor Truck (Storm Water)	905091	\$250,000	8/05	9/05	5/06
Wasilla	1	160	Storm Water Pumping	905081	\$274,485	8/05	9/05	5/06
Wrangell	12	80	Landfill Closure (traditional)	971071	\$854,000	10/05	3/06	10/06

# **APPENDIX V**

## **ALASKA CLEAN WATER FUND**

**Public Comments**

During the public comment period, the department received comments from the Municipality of Anchorage related to the scoring process. The Municipality also submitted a project that had been inadvertently deleted from their original submission. During the public comment period, a loan increase was executed for \$1,000,000 for the Anchorage Facility Replacement and Rehabilitation project, a loan for \$5,500,000 was executed with the City of Ketchikan for the Wastewater Collection System Improvements project, a loan for \$840,000 was executed with the City of Cordova for the Wastewater Treatment Plant Upgrades project, a loan for \$1,150,000 was executed with the City of Palmer for the Southwest Sanitary Sewer Interceptor project and a loan increase for \$2,000,000 was executed for the Anchorage SCADA Sewer project.

This final IUP reflects comments received and the resulting changes.

# **APPENDIX VIa**

## **ALASKA CLEAN WATER FUND**

**Estimated Disbursement Schedule  
for Point Source Projects**



## ALASKA CLEAN WATER FUND

### Estimated Disbursement Schedule

			FFY06	FFY06	FFY06	FFY06	FFY07	FFY07	FFY07	FFY07
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
ADEC	Administrative Costs	\$ 330,600	\$ 16,530	\$ 33,060	\$ 49,590	\$ 66,120	\$ 16,530	\$ 33,060	\$ 49,590	\$ 66,120
Ketchikan Borough	Forest Park Wastewater Improvements	\$ 684,000	\$ 34,200	\$ 68,400	\$ 102,600	\$ 136,800	\$ 34,200	\$ 68,400	\$ 102,600	\$ 136,800
Cordova	Wastewater Collection System Upgrade	\$ 160,000	\$ 8,000	\$ 16,000	\$ 24,000	\$ 32,000	\$ 8,000	\$ 16,000	\$ 24,000	\$ 32,000
Juneau	North Douglas Sewer Expansion, Phase II	\$ 605,000	\$ 30,250	\$ 60,500	\$ 90,750	\$ 121,000	\$ 30,250	\$ 60,500	\$ 90,750	\$ 121,000
Ketchikan Borough	Sewer System Master Plan	\$ 125,000	\$ 6,250	\$ 12,500	\$ 18,750	\$ 25,000	\$ 6,250	\$ 12,500	\$ 18,750	\$ 25,000
Ketchikan Borough	South Tongass Sewer Services	\$ 587,500	\$ 29,375	\$ 58,750	\$ 88,125	\$ 117,500	\$ 29,375	\$ 58,750	\$ 88,125	\$ 117,500
Sitka	Cove Lift Station Improvements	\$ 175,000	\$ 8,750	\$ 17,500	\$ 26,250	\$ 35,000	\$ 8,750	\$ 17,500	\$ 26,250	\$ 35,000
Anchorage	Old Glenn Highway Interceptor	\$ 1,000,000	\$ 50,000	\$ 100,000	\$ 150,000	\$ 200,000	\$ 50,000	\$ 100,000	\$ 150,000	\$ 200,000
Ketchikan Borough	Forest Park WWTP Improvements	\$ 198,000	\$ 9,900	\$ 19,800	\$ 29,700	\$ 39,600	\$ 9,900	\$ 19,800	\$ 29,700	\$ 39,600
Ketchikan Borough	Mt. Point WWTP Improvements	\$ 126,000	\$ 6,300	\$ 12,600	\$ 18,900	\$ 25,200	\$ 6,300	\$ 12,600	\$ 18,900	\$ 25,200
North Pole	Baker/North Star Sewer Collection	\$ 1,500,000	\$ 75,000	\$ 150,000	\$ 225,000	\$ 300,000	\$ 75,000	\$ 150,000	\$ 225,000	\$ 300,000
Cordova	WWTP Upgrade Project, Phase II	\$ 840,000	\$ 42,000	\$ 84,000	\$ 126,000	\$ 168,000	\$ 42,000	\$ 84,000	\$ 126,000	\$ 168,000
Craig	Sewer System Upgrade	\$ 183,150	\$ 9,158	\$ 18,315	\$ 27,473	\$ 36,630	\$ 9,158	\$ 18,315	\$ 27,473	\$ 36,630
Juneau	Irw in/Martin/Rhinehardt Sewer Main Replacement	\$ 200,000	\$ 10,000	\$ 20,000	\$ 30,000	\$ 40,000	\$ 10,000	\$ 20,000	\$ 30,000	\$ 40,000
Juneau	Vintage Building Sewer Improvements	\$ 60,000	\$ 3,000	\$ 6,000	\$ 9,000	\$ 12,000	\$ 3,000	\$ 6,000	\$ 9,000	\$ 12,000
Juneau	Downtown Side Streets	\$ 60,000	\$ 3,000	\$ 6,000	\$ 9,000	\$ 12,000	\$ 3,000	\$ 6,000	\$ 9,000	\$ 12,000
Juneau	Stairway Sewer Upgrades	\$ 60,000	\$ 3,000	\$ 6,000	\$ 9,000	\$ 12,000	\$ 3,000	\$ 6,000	\$ 9,000	\$ 12,000
North Pole	Badger-Morning Star Area Sewer System	\$ 732,900	\$ 73,290	\$ 109,935	\$ 146,580	\$ 36,645	\$ 73,290	\$ 109,935	\$ 146,580	\$ 36,645
Juneau	Bayview Sub. Sewer System Improvements	\$ 1,650,000	\$ 165,000	\$ 247,500	\$ 330,000	\$ 82,500	\$ 165,000	\$ 247,500	\$ 330,000	\$ 82,500
Ketchikan	Wastewater Collection System Improvements	\$ 5,500,000	\$ 550,000	\$ 825,000	\$ 1,100,000	\$ 275,000	\$ 550,000	\$ 825,000	\$ 1,100,000	\$ 275,000
Ketchikan Borough	Gravina Island Sewer Crossing	\$ 728,000	\$ 72,800	\$ 109,200	\$ 145,600	\$ 36,400	\$ 72,800	\$ 109,200	\$ 145,600	\$ 36,400
Fairbanks Borough	Solid Waste Landfill Sanitary Sewer	\$ 1,110,050	\$ 111,005	\$ 166,508	\$ 222,010	\$ 55,503	\$ 111,005	\$ 166,508	\$ 222,010	\$ 55,503
Ketchikan Borough	Forest Park WWTP Upgrades	\$ 81,000	\$ 8,100	\$ 12,150	\$ 16,200	\$ 4,050	\$ 8,100	\$ 12,150	\$ 16,200	\$ 4,050
Nome/Nome Joint Utility	Sewer Improvements, Phase II	\$ 2,000,000	\$ 200,000	\$ 300,000	\$ 400,000	\$ 100,000	\$ 200,000	\$ 300,000	\$ 400,000	\$ 100,000
Juneau	WWTP Improvements	\$ 630,000	\$ 63,000	\$ 94,500	\$ 126,000	\$ 31,500	\$ 63,000	\$ 94,500	\$ 126,000	\$ 31,500
Valdez	Alpine Woods Sub. Sewer Improvements	\$ 766,000	\$ 766,000	\$ 1,149,000	\$ 1,532,000	\$ 383,000	\$ 766,000	\$ 1,149,000	\$ 1,532,000	\$ 383,000
Unalaska	Wastewater Treatment Plant, Phase III	\$ 6,000,000	\$ 600,000	\$ 900,000	\$ 1,200,000	\$ 300,000	\$ 600,000	\$ 900,000	\$ 1,200,000	\$ 300,000
Anchorage	C-5-A King Rovea Sewer Upgrade	\$ 3,000,000	\$ 300,000	\$ 450,000	\$ 600,000	\$ 150,000	\$ 300,000	\$ 450,000	\$ 600,000	\$ 150,000
Cordova	WWTP Upgrade Project, Phase III	\$ 806,000	\$ 80,600	\$ 120,900	\$ 161,200	\$ 40,300	\$ 80,600	\$ 120,900	\$ 161,200	\$ 40,300
Sitka	Sawmill Creek Road Sewer, Phase II	\$ 1,000,000	\$ 100,000	\$ 150,000	\$ 200,000	\$ 50,000	\$ 100,000	\$ 150,000	\$ 200,000	\$ 50,000
Wasilla	Sewer Improvements, Phase II	\$ 405,000	\$ 60,750	\$ 81,000	\$ 101,000	\$ 25,250	\$ 40,500	\$ 60,750	\$ 81,000	\$ 101,000
Palmer	Sludge Management Project	\$ 750,000	\$ 112,500	\$ 150,000	\$ 37,500	\$ 75,000	\$ 112,500	\$ 150,000	\$ 37,500	\$ 75,000
Soldotna	Sewer Utilities Master Plan	\$ 122,500	\$ 18,375	\$ 24,500	\$ 6,125	\$ 12,250	\$ 18,375	\$ 24,500	\$ 6,125	\$ 12,250
Anchorage	C(F) Turnagain Int. 30" Sewer Upgrade	\$ 505,000	\$ 75,750	\$ 101,000	\$ 25,250	\$ 50,500	\$ 75,750	\$ 101,000	\$ 25,250	\$ 50,500
Juneau	Totem Park Sewer Main Replacement	\$ 350,000	\$ 52,500	\$ 70,000	\$ 17,500	\$ 35,000	\$ 52,500	\$ 70,000	\$ 17,500	\$ 35,000

## ALASKA CLEAN WATER FUND

### Estimated Disbursement Schedule

			FFY06	FFY06	FFY06	FFY06	FFY07	FFY07	FFY07	FFY07
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Juneau	Wastewater Treatment Plant Upgrades	\$ 1,200,000			\$ 180,000	\$ 240,000	\$ 60,000	\$ 120,000	\$ 180,000	\$ 240,000
North Pole	WWTP Sludge System Improvements	\$ 1,260,000			\$ 189,000	\$ 252,000	\$ 63,000	\$ 126,000	\$ 189,000	\$ 252,000
Anchorage	San Ernesto Hoyt-San Antonio Sewer Upgrade	\$ 404,000			\$ 60,600	\$ 80,800	\$ 20,200	\$ 40,400	\$ 60,600	\$ 80,800
Palmer	Southwest Sanitary Sewer Interceptor	\$ 2,160,000			\$ 324,000	\$ 432,000	\$ 108,000	\$ 216,000	\$ 324,000	\$ 432,000
Soldotna	Funny River Road Sewer Extensions	\$ 1,447,000			\$ 217,050	\$ 289,400	\$ 72,350	\$ 144,700	\$ 217,050	\$ 289,400
Ketchikan Borough	Mt. Point WWTP Buildings	\$ 331,200			\$ 49,680	\$ 66,240	\$ 16,560	\$ 33,120	\$ 49,680	\$ 66,240
Homer	Sewer Service Extension	\$ 4,000,000			\$ 600,000	\$ 800,000	\$ 200,000	\$ 400,000	\$ 600,000	\$ 800,000
Anchorage	C-2 (A, B) Sewer Improvements	\$ 1,700,000			\$ 255,000	\$ 340,000	\$ 85,000	\$ 170,000	\$ 255,000	\$ 340,000
Anchorage	Asplund WWTF Process Improvements	\$ 4,000,000			\$ 600,000	\$ 800,000	\$ 200,000	\$ 400,000	\$ 600,000	\$ 800,000
Soldotna	Kalifornsky Beach Road Sewer, Phase IV	\$ 210,350			\$ 31,553	\$ 42,070	\$ 10,518	\$ 21,035	\$ 31,553	\$ 42,070
Wrangell	Cassair Weber Street Sewer Project	\$ 47,000			\$ 7,050	\$ 9,400	\$ 2,350	\$ 4,700	\$ 7,050	\$ 9,400
Wrangell	Outfall Reconstruction	\$ 491,000			\$ 73,650	\$ 98,200	\$ 24,550	\$ 49,100	\$ 73,650	\$ 98,200
Anchorage	Eagle River WWTF Gravity Thickener	\$ 294,000			\$ 44,100	\$ 58,800	\$ 14,700	\$ 29,400	\$ 44,100	\$ 58,800
Anchorage	Asplund WWTF Interceptor	\$ 252,000			\$ 37,800	\$ 50,400	\$ 12,600	\$ 25,200	\$ 37,800	\$ 50,400
Anchorage	C-5-1 (North of Campbell Lake)	\$ 1,345,000			\$ 201,750	\$ 269,000	\$ 67,250	\$ 134,500	\$ 201,750	\$ 269,000
Anchorage	Security Improvements - Sewer	\$ 432,000			\$ 64,800	\$ 86,400	\$ 21,600	\$ 43,200	\$ 64,800	\$ 86,400
Anchorage	SCADA Sewer	\$ 5,000,000				\$ 1,000,000	\$ 250,000	\$ 500,000	\$ 750,000	\$ 1,000,000
Anchorage	A-4-B (Minnesota/Dowling)	\$ 756,000				\$ 151,200	\$ 37,800	\$ 75,600	\$ 113,400	\$ 151,200
Anchorage	Chester Creek Sewer (B-5, B-6)	\$ 1,500,000				\$ 300,000	\$ 75,000	\$ 150,000	\$ 225,000	\$ 300,000
King Cove	Sewer System Upgrade	\$ 100,000				\$ 20,000	\$ 5,000	\$ 10,000	\$ 15,000	\$ 20,000
Anchorage	Septage Improvements - Phase II	\$ 1,260,000					\$ 63,000	\$ 126,000	\$ 189,000	\$ 252,000
Anchorage	Girdwood WWTF Improvements	\$ 841,000						\$ 84,100	\$ 126,150	\$ 168,200

# **APPENDIX VIb**

## **ALASKA CLEAN WATER FUND**

**Estimated Disbursement Schedule  
for NonPoint Source Projects**

**ALASKA CLEAN WATER FUND**  
**Estimated Disbursement Schedule for NonPoint Projects**

			FFY06	FFY06	FFY06	FFY06	FFY07	FFY07	FFY07	FFY07
			1st Qtr	2nd Qtr	3rd Qtr	4th Qtr	1st Qtr	2nd Qtr	3rd Qtr	4th Qtr
Wasilla	Vactor Truck (Storm Water)	\$ 250,000	\$ 12,500	\$ 25,000	\$ 37,500	\$ 50,000	\$ 12,500	\$ 25,000	\$ 37,500	\$ 50,000
Wasilla	Storm Water Pumping	\$ 271,485	\$ 13,574	\$ 27,149	\$ 40,723	\$ 54,297	\$ 13,574	\$ 27,149	\$ 40,723	\$ 54,297
Wrangell	Landfill Closure (traditional)	\$ 854,000	\$ 42,700	\$ 85,400	\$ 128,100	\$ 170,800	\$ 42,700	\$ 85,400	\$ 128,100	\$ 170,800
King Cove	Landfill Closure (traditional)	\$ 100,000	\$ 5,000	\$ 10,000	\$ 15,000	\$ 20,000	\$ 5,000	\$ 10,000	\$ 15,000	\$ 20,000
Mat-Susitna Borough	Landfill Expansion Project	\$ 1,287,000	\$ 64,350	\$ 128,700	\$ 193,050	\$ 257,400	\$ 64,350	\$ 128,700	\$ 193,050	\$ 257,400
Fairbanks Borough	South Cushman Landfill Expansion - Cell 3	\$ 8,000,000	\$400,000	\$ 800,000	\$1,200,000	\$ 1,600,000	\$ 400,000	\$ 800,000	\$ 1,200,000	\$1,600,000
Sitka	Kimsham Landfill Closure	\$ 2,900,000	\$145,000	\$ 290,000	\$ 435,000	\$ 580,000	\$ 145,000	\$ 290,000	\$ 435,000	\$ 580,000
Unalaska	Solid Waste Leachate Treatment System	\$ 256,500	\$ 12,825	\$ 25,650	\$ 38,475	\$ 51,300	\$ 12,825	\$ 25,650	\$ 38,475	\$ 51,300
Anchorage	Partial Landfill Closure	\$ 7,200,000	\$360,000	\$ 720,000	\$1,080,000	\$ 1,440,000	\$ 360,000	\$ 720,000	\$ 1,080,000	\$1,440,000
Kenai	Maintenance Shop Groundwater Remediation	\$ 1,000,000		\$ 100,000	\$ 150,000	\$ 200,000	\$ 50,000	\$ 100,000	\$ 150,000	\$ 200,000
Kodiak Island Borough	Landfill Design and Construction	\$ 2,612,000			\$ 391,800	\$ 522,400	\$ 130,600	\$ 261,200	\$ 391,800	\$ 522,400

# **APPENDIX VII**

## **ALASKA CLEAN WATER FUND**

**Federal “Cross-Cutting” Authorities**

## Appendix VII

## ALASKA CLEAN WATER FUND List of Federal “Cross-Cutting” Authorities

Archeological and Historic Preservation Act of 1974, PL 93-291  
Clean Air Act, 42 U.S.C. 7506(c)  
Clean Water Act, PL 92-500, as amended  
Coastal Barrier Resource Act, 16 U.S.C. 3501 et seq.  
Coastal Zone Management Act of 1972, PL 92-583, as amended  
Endangered Species Act, 16 U.S.C. 1531 et seq.  
Protection and Enhancement of the Cultural Environment Executive Order 11593  
Floodplain Management, Executive Order 11988  
Farmland Protection Policy Act, 7 U.S.C. 4201 et seq.  
Fish and Wildlife Preservation Act of 1966, PL 89-665, as amended  
Wild and Scenic Rivers Act, PL 90-542, as amended  
Historic Sites Act of 1935, 16 U.S.C. 461-467  
Demonstration Cities and Metropolitan Development Act of 1966, PL 89-754, as amended  
Executive Order 11738  
Age Discrimination Act, PL 94-135  
Civil Rights Act of 1964, PL 88-352  
Prohibition Against Sex Discrimination Under the Federal Water  
Pollution Control Act, Section 13 of PL 92-500  
Equal Employment Opportunity, Executive Order 11246  
Women’s and Minority Business Enterprise, Executive Order 11625  
Women’s and Minority Business Enterprise, Executive Order 12138  
Women’s and Minority Business Enterprise, Executive Order 12432  
Rehabilitation Act of 1973, Executive Order 11914  
Rehabilitation Act of 1973, Executive Order 11240  
Uniform Relocation and Real Property Acquisition Policies Act of 1970, PL 91-646  
Debarment and Suspension, Executive Order 12549  
Safe Drinking Water Act, Section 1424(e), PL 92-523, as amended  
Wetlands, Executive Order 11990  
Environmental Justice, Executive Order 12898  
Small Businesses in Rural Areas, PL 100-590  
Drug Free Workplace, PL 100-690  
Anti-lobbying, PL 101-121